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APPLICATION NO.	/ E	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,726 05/09/2001		05/09/2001	Rudolf Wagner	Mo-6222/LeA 34,367	3650
34947	7590	07/30/2004		EXAMINER	
LANXESS PATENT D		RATION ENT/ BLDG 14	JASTRZAB, KRISANNE MARIE		
100 BAYER ROAD			ART UNIT	PAPER NUMBER	
PITTSBUR	TSBURGH, PA 15205-9741 1744				• • •
				DATE MAILED: 07/30/2004	,

Please find below and/or attached an Office communication concerning this application or proceeding.

- a							
•	Application No.	Applicant(s)					
	09/851,726	WAGNER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Krisanne Jastrzab	1744					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on <u>06 De</u>	<u>ecember 2003</u> .						
2a) ☐ This action is FINAL . 2b) ☑ This							
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) ☐ Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) 11 is/are withdrawn from the state of the above claim(s) 11 is/are withdrawn from the state of the state o	rom consideration.						
Application Papers							
9) The specification is objected to by the Examine							
10) ☐ The drawing(s) filed on is/are: a) ☐ acco							
Applicant may not request that any objection to the	- } ,	` '					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex		•					
Priority under 35 U.S.C. § 119							
12) △ Acknowledgment is made of a claim for foreign a) △ All b) ☐ Some * c) ☐ None of: 1. △ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on Noed in this National Stage					
Attachment(s)							
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						

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Art Unit: 1744

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I, claims 1-10 in the reply filed on 12/30/2003 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Ando et al., U.S. patent No. 5,447,983.

Ando et al., teach the use of a mondisperse aminomethylated bead polymer to perform gas adsorption wherein the bead polymer is prepared as set forth in the instant claims. Ando et al., teach that large sized porous polymer beads having a cross linked degree of from 40 to 80% are effective in gas adsorption for such gases as sulfuric oxide. See column 1, lines 34-37 and column 6, lines 15-60.

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ando et al., as applied to claims 1-7 above, and further in view of Funke DE 19830470 (abstract).

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Funke teaches the use of a cross-linked bead polymer in the adsorption of metabolically produced carbon dioxide.

It would have been well within the purview of one of ordinary skill in the art to utilize the bead polymer of Ando et al., in gas adsorption associated with re-breathing, such as respiratory devices, diving equipment and survival systems, because, as taught in Funke, bead polymers are effective in adsorption of respiratory gases, as those are metabolically produced.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisanne Jastrzab whose telephone number is 571-272-1279. The examiner can normally be reached on Mon.-Wed. 6:30am-4:00pm and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on 571-272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Krisanne Jästrzab Primary Examiner Art Unit 1744

July 27, 2004